Ref: QECD/BBMP/ELE/YNK/QC-09/2019-20 **Date: 19-05-2020**

To,
The Executive Engineer,
Yelahanka Division,
Yelahanka Zone,
Bangalore-560064.

From,
Qualiex Civil Design & Consultancy,
#42, 18th Cross, Sri Rampura Main Road,
Jakkur, Amruthahalli,
Bangalore-560064.

INSPECTION CERTIFICATE

Sub: Certifying the 1st and Final for the Work of **"Providing Energy efficient LED street lights to HMT layout and surrounding area in Ward No-09"**.

With Respect to above subject, this is bringing to your kind information that we have inspected the work and certifying that there is issue of Quality and Quantity of Work. The Contractor **"M/s Chowdeshwari Electricals"**, Bangalore towards the above work has been completed the work satisfactorily.

Thanking You,

Yours Faithfully

For Qualiex Civil Design & Consultancy

E.E. (Electricals)

Authorized Signature

Ref: QECD/BBMP/ELE/YNK/PMC-1/13/2019-20 **Date: 19-05-2020**

To,
The Executive Engineer (Ele),
Yelahanka Zone,
BBMP, Byatarayanapura,
Bangalore-560064.

From,
Qualiex Civil Design & Consultancy,
#42, 18th Cross, Sri Rampura Main Road,
Jakkur, Amruthahalli,
Bangalore-560092.

PMC CERTIFICATE

Sub: Certifying the 1st and Final for the Work of **"Providing Energy efficient LED street lights to HMT layout and surrounding area in Ward No-09"**.

With Respect to above subject, this is bringing to your kind information that we have scrutinized the 1st & Final Bill submitted by **"M/s Chowdeshwari Electricals"**, Contractor, Bangalore towards the above work. The work has been completed satisfactorily.

Sl No	Description Work	Unit	Quantity	Amount in Rs.
1	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08.	Nos	1.00	13572.00
2	Supply and Installation / Fixing / Provision of Pole box with HRC Fuse / MCB provision and suitable connector / terminal for 3 Ph / 1 Ph connections with Loop-In & Loop-Out terminals for 10 Sqmm / 25 Sqmm 3.5 C Al/Ar / Cu/Ar Cable and branch out 2.5 Sqmm 2 core Al/Cu PVC Insulated cable, enclosed in a Thermoplastic,	Nos	37.00	58424.85

3	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps25kA.	Nos	37.00	108480.30
4	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.25 sqmm Long Barrel	Nos	80.00	1194.40
5	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable. 3.5 core 25 sqmm	Mtrs	248.00	29668.24
6	Labour charges for laying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct. 6 sqmm to 16 sqmm	Mtrs	248.00	2678.40
7	Supplying and fixing angle iron frame work fabricated out of M.S angle iron… and M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. a)50X50X6 mm	Mtrs	45.00	8580.60
8	Supplying and stringing of ACSR Conductor (6/2.59mm Al +1/2.59mm Steel).	Mtrs	4495.00	97766.25
9	1.1 KV Pin Insulator	Nos	148.00	4721.20
10	No. 8 Strain Insulator	Nos	50.00	507.50
11	2 Pin 45x45x5mm -510mm	Nos	138.00	30615.30
12	Releasing of steel supports 9.0 to 10.00 mtr long suchas 22.68 kg (50 lbs) Rail, 27.22 kg (60 Lbs) Rail IBeam of sizes 200x100mm, 175x90 mm, 125x100mm. Fabricates poles tubular poles in pits of 1.8 mtrDepth, Aligning, Refilling with soil and ramming	Nos	6.00	1190.16
13	Transportation using 7.5/10 Tons Lorry Rs. 23 per Kms subjected to a minimum of Rs. 1200/-per day (shifting of Panel boards & Poles)	Nos	6.00	5220.00
	Total Amount			**362619.20**

Thanking You,

Yours Faithfully

For Qualiex Civil Design & Consultancy

Authorized Signature